Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended)   A system for testing interaction of a database including a schema with a software application comprising:

a rule creator module for creating patterns of relational structure for the schema to be detected in the database; [[and]]

a monitor module for monitoring the interaction of the software application with the database, wherein the monitor module comprises means for profiling the interaction of the software application with the database and means for extracting SQL queries for building test suits; and

a verification module for verifying that the schema of the database adheres to the created patterns of relational structure, responsive to the monitored interaction of the software application with the database.

2. (Original)   The system of claim 1, wherein the monitor module comprises:

a proxy driver for recording and logging calls to objects in the software application; and

a monitor console for managing the monitoring of the interaction of the software application with the database, for presenting recorded results, and for exchanging recorded data with the software application.

3. (Previously Presented)   The system of claim 2, wherein the proxy driver creates a proxy connection object that wraps around an original connection object, whenever the software application requests creation of a connection to the database.

4. (Original)   The system of claim 3, wherein the proxy connection object comprises one or more of the group statements and result-set.

5. (Original)   The system of claim 2, wherein the monitor module comprises a graphical user interface and a message exchange server module for exchanging messages between the proxy driver and the graphical user interface.

6. (Original)   The system of claim 2, wherein the proxy driver comprises a logger object module for sending monitored information to one or more of a text file, compressed file, and a graphical user interface.

7. (Previously Presented)   The system of claim 1, wherein the created patterns of relational structure comprises two or more of the group of a database structure test for comparing database structure with a recorded pattern; a rule test for verifying the database against a design rule; a query load test for verifying database performance and scalability in respect to SQL statements; a statistics generator module for collecting information about database engine properties and database structure; a spell checking test for verifying correct spellings in the database; a data pollution test for verifying that no incorrect or poorly-formed data exists in the database; an on line database structure test for comparing database structures to each other and reporting any differences; and a data value test for verifying that a single value returned by a database query remains in defined limits.

8. (Currently Amended)   A method for testing interaction of a database including a schema with a software application , the method comprising:

creating patterns of relational structure for the schema ~~for the schema~~ to be detected in the database;

profiling the interaction of the software application with the database; and

verifying that the schema of the database adheres to the created patterns of relational structure, responsive to the profiling interaction of the software application with the database.

9. (Previously Presented)   The method of claim 8, wherein the profiling step comprises:

recording and logging calls to objects in the software application by a proxy driver;

presenting recorded results; and

exchanging recorded data with the software application.

10. (Previously Presented)   The method of claim 9, further comprising creating a proxy connection object that wraps around an original connection object, whenever the software application requests creation of a connection to the database.

11. (Previously Presented)   The method of claim 9, wherein the profiling step comprises exchanging messages between the proxy driver and a graphical user interface by a message exchange server module.

12. (Previously Presented)   The method of claim 9, further comprising sending profiled information to one or more of a text file, compressed file, and a graphical user interface.

13. (Previously Presented)   The method of claim 8, further comprising building test suites, executing the test suits, and comparing database schema with a recorded pattern.

14. (Previously Presented)   The method of claim 13, wherein the step of executing the test suits comprises verifying the database against a design rule.

15. (Previously Presented)   The method of claim 13, wherein the step of executing the test suits comprises verifying database performance and scalability with respect to a plurality of SQL statements.

16. (Previously Presented)   The method of claim 8, wherein the step of profiling comprises a collecting information about database engine properties and database structure.

17. (Previously Presented)   The method of claim 13, wherein the step of executing the test suits comprises comparing database structures to each other and reporting any differences.

18. (Previously Presented)   The method of claim 8, wherein the step of profiling comprises verifying that a single value returned by a database query remains in defined limits.

19. (Original) The method of claim 8 further comprising generating reports from the database.

20. (Original) The method of claim 19 further comprising:

specifying in a graphical user interface (GUI) information about the database;

specifying in the GUI the data to be included in the report;

generating a report template; and

executing the report template to create the report based on data retrieved form the database.

21. (Original) The method of claim 20 further comprising the step of specifying in the GUI a filter for filtering out unwanted data.

22. (Original) The method of claim 20 further comprising the step of automatically determining relations between data sets.

23. (Original) The method of claim 22, wherein the step of automatically determining relations comprises inferring relations by using one or more of key, type, and name.

24. (Original) The method of claim 22 further comprising the step of specifying in the GUI information for creating an HTML template.

25. (Original) The method of claim 22 further comprising the step of specifying in the GUI where to publish the report.